

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Previously Presented) A set for measuring the linear strain of materials, comprising:

at least two measuring elements, which are fitted with measuring blades having respective parallel axes, and which are attachable to the measured material for measuring a linear strain of the measured material; and

a portable reading device having an impression surface made of a material with dimensional stability and strength lower than the strength of at least one the material of the measuring elements and the portable measuring device, wherein:

the measuring blades are fitted with fixtures in a central region, and the measuring elements are fitted with necks and a tapered end at a bottom portion thereof; and

the measuring elements are attached to the surface of the measured material using a resin-based adhesive.

2. (Previously Presented) A measuring set according to claim 1, wherein:

the measuring elements are kept in a transport preparation, which comprises a plotting board with holes for accomodating the measuring elements, following the precision setting of parallelism of the axes of the measuring blades; and

the joint between the measuring elements and the transport preparation has a lower strength than the joint between the measuring elements and the measured material.

3. (Previously Presented) A measuring set according to claim 1, wherein the measuring elements are placed in the shape of a rosette on the measured material.

4. (Previously Presented) A measuring set according to claim 1, wherein the measuring elements are provided with an adapter for the alignment of the reading device with the measuring elements at the measured material.

5. (Previously Presented) A measuring set according to claim 1, wherein the transport preparation comprises a plotting board whose ends are bent upward.

6. (Previously Presented) A measuring set according to claim 1, wherein the transport preparation is in the shape of a bail, and is fitted with surfaces for the ends of the measuring elements, and a portable reading device comprising a similar bail with an impression surface is placed at the ends of the similar bail.

7. (Previously Presented) A measuring set according to claim 1, further comprising a device for the remote transmission of the measured data to the reading device.

8. (Currently Amended) A measuring set according to claim 1, wherein the measuring blades are configured to measure a linear stress of the measured material based on an impression of the location of the measuring blades impressed into the impression surface of the portable reading device.